

SOLID FUEL-FIRED WATER-HEATING APPLIANCE

(Space heating units not constructed to ASME)

APPLICATION:

The intent of this brochure is to educate and provide direction to Wisconsin owners, operators, installing contractors and dealers about the installation and operation of solid fuel-fired water-heating appliances that are not constructed to the American Society of Mechanical Engineers - ASME code. Compliance per section Comm 41.49 is required in both commercial and residential applications. Registration-Comm 41.41(4) and Inspection-Comm 41.16(3) is required for appliances installed in any commercial application. Prior to installation in one- or 2-family dwellings, the owner or installer shall contact local building inspection authorities for procedures and requirements in their area.

Commercial Inspection requirements can be found within the Wisconsin Administrative Code Comm 41: Boiler and Pressure Vessels.

DEFINITIONS:

APPROVED – means acceptable to the Department.

CERTIFIED INSPECTOR – person who holds a valid credential issued by the department under Comm 5 as a “certified” boiler-pressure vessel or UDC inspector.

DEPARTMENT – means the department of Commerce.

DWELLING – means any building that contains one- or 2-family dwelling units used as a home/residence per s.101.61,(1) stats.

OWNER or USER – means any person, firm or corporation legally responsible for the safe operation of a boiler or appliance.

TESTING LABORATORIES – examples of acceptable testing laboratories include but not limited to UL and Factory Mutual.

SOLID FUEL-FIRED WATER-HEATING APPLIANCE – solid fuel equipment used for space heating and that is not constructed and installed in accordance with the ASME code.

GENERAL REQUIREMENTS

1. REGISTRATION

- All solid fuel fired water-heating appliances installed in “commercial” applications shall be registered by the installer before operation on form SBD-6314 and shall be submitted to the department. Do not submit form SBD-6314 for appliances serving one- or 2-family dwellings. (See b. below)

commerce.wi.gov
Wisconsin
Department of Commerce
Safety and Buildings Division

Boiler and Unfired Pressure Vessel (UPV)
Installation Registration

Boiler and UPV Information

Boiler Type (or fired pressure vessel)
☐ POWER ☐ HEATING ☐ MINIATURE / ELECTRIC
☐ UNFIRED PRESSURE VESSEL

1. Original to: Department of Commerce
Safety and Buildings Division
PO Box 7302
Madison, WI 53707-7302

2. Copy for owner

3. Copy for installer

NAME OF USER: _____

STREET ADDRESS: _____ PHONE NUMBER: _____

CITY: _____ STATE: _____ ZIP: _____

NAME OF INSTALLING CONTRACTOR: _____

NAME OF CONTRACTOR: _____

STREET ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

DATE: _____

Send SBD-6314 Forms to:



Department of Commerce
Safety & Buildings Division
PO Box 7302
Madison, WI 53707-7302

- For solid fuel-fired water-heating appliances serving one- or 2-family dwellings per Comm 23.04(4), an owner/installer shall contact their area building inspection office for permitting and inspection per local ordinances and Comm 41.16(1)(b)(2).

2. DESIGN-Solid fuel-fired water-heating appliances shall:

- Have a self-contained weather proofing or other weather protection acceptable to the department.
- Be listed by a nationally recognized testing laboratory acceptable to the department.
- Be designed, constructed and operated at atmospheric pressure. Be vented to prevent a positive pressure condition on the fluid.

3. INSTALLATION-Solid fuel-fired water-heating appliances must be:

- Located away from other structures in accordance with the manufacturer's recommendations.
- Enclosed by fencing or other barriers to prevent access or tampering by unauthorized persons.
- Provided with a fuel feed system designed, accepted and approved by the original manufacturer.
- Provided with a means to prevent freezing of the water supply and return lines.
- Installed with piping materials and fittings suitable for temperatures of the distribution system.

4. INSPECTION – of installation is required.

- a. Solid fuel-fired water-heating appliances shall be inspected by the department or, for one- or 2-family dwellings, in accordance with local ordinance for compliance with Comm 41.49 before the appliance is placed in operation.
- b. Fees for inspection in commercial applications shall be in accordance with Comm 2.04.

5. REPAIRS-must be made in accordance with the manufacturer's recommendations.

TRY THE COMMERCE WEBSITE:



<http://www.commerce.wi.gov>

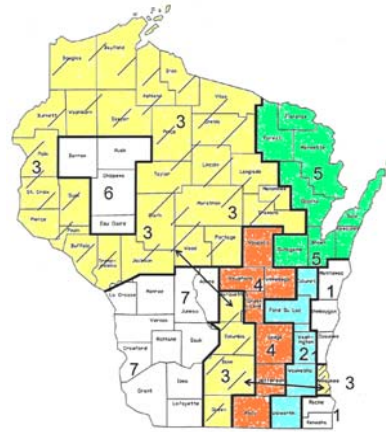
Scroll down the left column to click on Safety & Buildings Division to obtain the following for view or print:

- Division Forms, "SBD-6314"
- Boiler Code, "Chapter Comm 41"
- UDC Code, "Chs. Comm 20-25"
- Specific Programs, "UDC" / "Boilers"
- Staff Contact Information
- Individual Credential / License Status
- Inspector District Maps



SBD-10879 (R01-2010)

COMMERCIAL INSPECTION DISTRICTS



District 1

David Homan
262-424-1471

District 2

Terence Waldbillig
414-303-8575

District 3

Damarc-S
866-361-4321

District 4

Jon Wolf
920-723-0032

District 5

James Markiewicz
920-428-9423

District 6

Duane Leetch
715-559-8817

District 7

Dean Yourchuck
608-235-0607

Waukesha Office

Michael Verhagen
Plan Review
262-548-8617
Fax-548-8614

Rick Merkle
Supervisor
262-521-5065
Fax 608-283-7415

* For one- or 2-family dwelling installation, contact local Building Inspection office per Comm 23.04(4) & 41.16(1) b 2.

For further questions or details on the requirements of solid fuel-fired water-heating appliances contact district inspector or staff.

Waukesha office:

Mike Verhagen

262-548-8617

Rick Merkle, Supervisor

262-521-5065

Madison office:

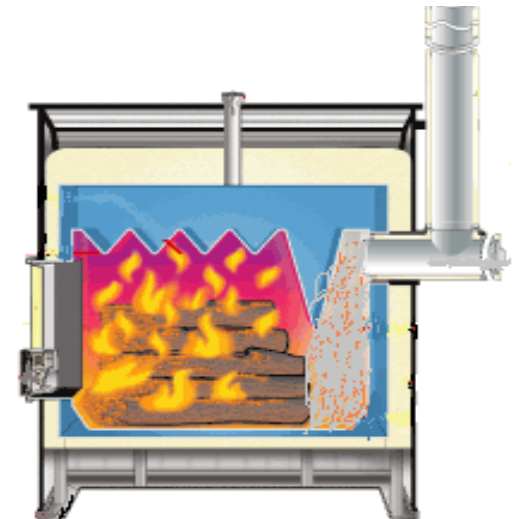
Joe Hertel, Program Manager

608-266-5649



SOLID FUEL-FIRED WATER-HEATING APPLIANCES

Safety & Buildings Division
201 W Washington Avenue, 4th Floor
Madison, WI 53703



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